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- (54) **1-(4-SULFAMYLARYL)-3-SUBSTITUTED-5-ARYL-2-PYRAZOLINES AND INHIBITORS OF CYCLOOXYGENASE-2**
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- (58) Field of Search 548/365.7, 379.1, 548/379.7, 364.4, 364.7; 546/275.4; 514/341, 403

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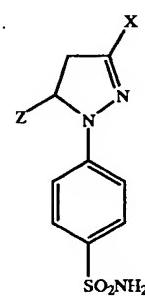
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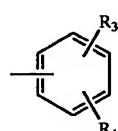
(57) **ABSTRACT**

Compounds of the formula



wherein:

X is selected from the group consisting of trihalomethyl, C₁-C₆ alkyl, and a group of formula II:



wherein:

R₃ and R₄ are independently selected from the group consisting of hydrogen; halogen; hydroxyl; nitro; C₁-C₆ alkyl;

C₁-C₆ alkoxy; carboxy; C₁-C₆ trihaloalkyl; and cyano;

Z is selected from the group consisting of substituted and unsubstituted aryl; or a pharmaceutically acceptable salt thereof. The compounds are inhibitors of cyclooxygenase-2 activity. They are useful for treating cyclooxygenase-mediated disorders, including, for example, inflammation, neoplastic disorders and angiogenesis-mediated disorders.